

## NSLS OHSAS Job Risk Assessment

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|  |  |                                  |   |                          |                    |                               |
|--|--|----------------------------------|---|--------------------------|--------------------|-------------------------------|
| <b>Name(s) of Risk Team Members:</b><br>B. Chmiel, L. Fareria, B. Kiss, E. Losee, C. Nielson   | <b>Point Value →<br/>Parameter ↓</b>               | 1                                | 2   | 3                        | 4                  | 5                             |
| <b>Job Title:</b> <span style="color: blue;">Hand held power tool use</span><br><br><b>Job Number or Job Identifier:</b> <span style="color: blue;">LS-JRA-0013</span> | <b>Frequency (B)</b>                               | ≤once/year                       | ≤once/month                                 | ≤once/week               | ≤once/shift        | >once/shift                   |
| <b>Job Description:</b><br>Use of hand held power tools for construction, assembly, or repair of equipment   | <b>Severity (C)</b>                                | First Aid Only                   | Medical Treatment                           | Lost Time                | Partial Disability | Death or Permanent Disability |
| Training and Procedure List (Optional):  | <b>Likelihood (D)</b>                              | Extremely Unlikely<br><<1x/20yrs | Unlikely<br>1x/10-20yrs                     | Possible<br>>1x/10-20yrs | Probable<br>1x/yr  | Multiple<br>>1x/yr            |
| Approved by: W. R. Casey      Date: 9/1/05<br>Rev. #: 1 <a href="#">Revision Log</a>   | <b>Stressors (if applicable, please list all):</b> |                                  | <b>Reason for Revision (if applicable):</b> |                          | <b>Comments:</b>   |                               |

|                             |        | Before Controls |               |             |            |              |               |   | After Initial Controls |             |            |              |               |                                 | After Additional Controls |             |            |              |               |                  |
|-----------------------------|--------|-----------------|---------------|-------------|------------|--------------|---------------|---|------------------------|-------------|------------|--------------|---------------|---------------------------------|---------------------------|-------------|------------|--------------|---------------|------------------|
| Job Step / Task             | Hazard | Stressors Y/N   | # of People A | Frequency B | Severity C | Likelihood D | Risk* AxBxCxD | Initial Controls  | # of People A          | Frequency B | Severity C | Likelihood D | Risk* AxBxCxD | Control(s) Added to Reduce Risk | # of People A             | Frequency B | Severity C | Likelihood D | Risk* AxBxCxD | % Risk Reduction |
| Using hand held power tools | Cuts   | N               | 1             | 3           | 4          | 3            | 36            | Proper guards (where applicable), proper hand position, keep tools sharp to reduce force required to cut, PPE | 1                      | 3           | 2          | 2            | 12            |                                 |                           |             |            |              |               |                  |

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|                             |   | Before Controls |               |             |            |              |               |  | After Initial Controls |             |            |              |               |                                 | After Additional Controls |             |            |              |               |                  |
|-----------------------------|---|-----------------|---------------|-------------|------------|--------------|---------------|--|------------------------|-------------|------------|--------------|---------------|---------------------------------|---------------------------|-------------|------------|--------------|---------------|------------------|
| Job Step / Task             | Hazard                                    | Stressors Y/N   | # of People A | Frequency B | Severity C | Likelihood D | Risk* AxBxCxD | Initial Controls   | # of People A          | Frequency B | Severity C | Likelihood D | Risk* AxBxCxD | Control(s) Added to Reduce Risk | # of People A             | Frequency B | Severity C | Likelihood D | Risk* AxBxCxD | % Risk Reduction |
| Using hand held power tools | Struck by flying objects                  | N               | 1             | 3           | 4          | 3            | 36            | Safety glasses with side shields, Proper guards (where applicable), PPE  | 1                      | 3           | 2          | 2            | 12            |                                 |                           |             |            |              |               |                  |
|                             | Strains, slips, falls                     | N               | 1             | 3           | 3          | 3            | 27            | Proper body position Housekeeping, Tier I  | 1                      | 3           | 2          | 2            | 12            |                                 |                           |             |            |              |               |                  |
|                             | Contact with extreme temperatures (burns) | N               | 1             | 3           | 2          | 3            | 18            | Gloves, safety glasses,  | 1                      | 3           | 2          | 2            | 12            |                                 |                           |             |            |              |               |                  |
|                             | Electric shock                            | N               | 1             | 3           | 3          | 2            | 18            | GFCI, cords/plugs in good condition, tools in good working condition, housekeeping, proper work planning, proper permits, Tier I | 1                      | 3           | 2          | 1            | 6             |                                 |                           |             |            |              |               |                  |
|                             | Electrocution                             | N               | 1             | 3           | 5          | 1            | 15            | GFCI, cords/plugs in good condition, tools in good working condition, housekeeping, proper work planning, proper permits, Tier I | 1                      | 3           | 1          | 1            | 3             |                                 |                           |             |            |              |               |                  |
|                             |   |                 |               |             |            |              |               |  |                        |             |            |              |               |                                 |                           |             |            |              |               |                  |

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|---|-----------------------|------------------------|---------------|-------------|------------|--------------|---------------|----------------------|------------------------|-------------|------------|-------------------------|---------------|---------------------------------|---------------------------|------------------------------|------------|--------------|---------------|------------------|
| Job Step / Task                                       | Hazard                | Stressors Y/N          | # of People A | Frequency B | Severity C | Likelihood D | Risk* AxBxCxD | Initial Controls     | # of People A          | Frequency B | Severity C | Likelihood D            | Risk* AxBxCxD | Control(s) Added to Reduce Risk | # of People A             | Frequency B                  | Severity C | Likelihood D | Risk* AxBxCxD | % Risk Reduction |
|   |                       |                        |               |             |            |              |               |                      |                        |             |            |                         |               |                                 |                           |                              |            |              |               |                  |
|   |                       |                        |               |             |            |              |               |                      |                        |             |            |                         |               |                                 |                           |                              |            |              |               |                  |
| Further Description of Controls Added to Reduce Risk: |                       |                        |               |             |            |              |               |                      |                        |             |            |                         |               |                                 |                           |                              |            |              |               |                  |
| *Risk:  | 0 to 20<br>Negligible | 21 to 40<br>Acceptable |               |             |            |              |               | 41 to 60<br>Moderate |                        |             |            | 61 to 80<br>Substantial |               |                                 |                           | 81 or greater<br>Intolerable |            |              |               |                  |